

### **Abstract**

A planar lightwave circuit (PLC) (1; 20) comprises an optical device, where the optical device comprises at least one piece of waveguide structure (5; 24), in particular one piece of fiber, which has at least one thin film layer deposited on an end facet (9; 28). Thus, a thin film filter can be integrated in a PLC with minimized insertion loss and high mechanical stability for athermalization.